

seminars

CERN COLLOQUIA

Tuesday, November 4
16.30
Auditorium

"On the formation of binary X-ray sources"

by E. Schatzman / Observatoire de Paris

Abstract : Arguments are given which support the idea that neutron stars in binary X-ray sources and in pulsars are formed in different conditions.

To preserve the binary nature of the object during formation of neutron stars in variable X-ray sources suggests very strongly a non-explosive process.

Fast accretion on a white dwarf in a binary system can overtake the explosive nuclear processes and generate the non-explosive collapse leading to the neutron star.

The physical conditions which have to be fulfilled to lead such a process are described and are related to the properties of dense matter.

Tuesday, November 11
16.30
Auditorium

"High density shock waves in relativistic nucleus-nucleus collisions"

by W. Greiner / Universität Frankfurt/M.

CERN NUCLEAR PHYSICS SEMINAR

Monday, November 10
11.00
Theory Conference Room

"Manifestations of the muon-nuclear hyperfine interactions"

by N. Mukhopadhyay / SIN

Abstract : As muon cascades down to the 1s-state, its hyperfine interactions with the non-spin-zero nuclear host play a crucial role in the relaxation of the muon spin. The time developments of the muon and nuclear polarizations can be studied in the density operator formalism of Bloch and Wangness. The experimental implications in atomic and nuclear physics will be stressed, both for the originally unpolarized and for polarized targets.

PHYSICS I - ELECTRONICS EXPERIMENTS COMMITTEE

Monday, November 10
14.30
Auditorium

Open Session

1. Status report on Experiment S141, Spin Dependent Effects in Elastic Proton-Proton Collisions at 24 GeV; CERN-Orsay-Oxford Collaboration (CERN/EEC-75/47), presented by D. Crabb.
2. Proposal for a further study of Hypernuclear γ -Transitions and the Investigation of Λ -N Interaction; Lyon-Warsaw Collaboration (CERN/EEC-75/41), presented by M. Gusakov.

Tuesday, November 11
09.00
NP Conference Room

Closed Session

CERN PARTICLE PHYSICS SEMINAR

Thursday, November 13
16.30
Auditorium

"Small angle elastic scattering in the Coulomb region : preliminary results"

by J. Lach / Fermi National Accelerator Laboratory

PRESENTATIONS TECHNIQUES TECHNICAL PRESENTATIONS

Monday, November 3
14.00 - 16.00
TC Conference Room
(Bldg. 13 - 2nd floor)

Motorola Semiconductor Products SA will give a talk on High-Speed Microprocessor MECL (M 10800) :

- review of MECL 10 000, the 100 function family,
- MECL High-Speed and Surnanosecond (16 000 series),
- 10800 MECL Microprocessor and Memories a new way for an open end technology,
- discussion.

Language : English

Du 25 au 28 novembre 1975
Hall du Bâtiment de
l'Administration - 1er étage

"LE DANEMARK AU CERN"

La Fédération des Industries Danoises et l'Association Danoise des Industries Electroniques, en collaboration avec le Service des Affaires Etrangères du Danemark patronnent une exposition, organisée en participation par quatorze fabricants danois de matériel électronique et matériel connexe.

Exposants : voir liste ci-dessous.

From 25th to 28th November 1975
Administration Building
Entrance - 1st floor

"DENMARK AT CERN"

The Federation of Danish Industries and the Association of Electronics Manufacturers in Denmark in co-operation with the Danish Foreign Service, are sponsoring a joint venture of fourteen Danish manufacturers of electronic and associated equipment.

Exhibitors :

Cumatrix Electronics A/S	H. & K. Luebecke A/S
Danfysik A/S	Nea-Lindberg A/S
Danica-Elektronik A/S	A/S Regnecentralen
Disa Elektronik A/S	A/S Printca
Ferroperm A/S	Christian Rovsing A/S
A/S Lk-Nes	Storno A/S
Logik Aktieselskab-Ingenioerfirma	Terma Elektronisk Industri A/S.

Renseignements :
M. Diraison / FIN / 4585

enseignement

ACADEMIC TRAINING

Tuesday, November 4
Wednesday, November 5
Thursday, November 6
11.00
Auditorium

"Electroproduction"

by P. Söding - DESY/Hanburg

next week :
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November 11, 12 and 13
11.00 - Auditorium

"Corrosion and protection of metals"

by M.J. Brabers - Louvain University

Abstract : In an introductory lecture the general principles of the corrosion theory will be given and applied to practical cases.

A model is presented of the mechanism of controversial corrosion phenomena like pitting corrosion, stress corrosion, cracking and hydrogen embrittlement, which lead to brittle fracture of metals under low load in corrosive environments.

A third lecture describes the nowadays frequently occurring attack of metals by sulphur containing compounds and by bacteriological corrosion. This is illustrated for steels and aluminium in industrial environment.

The lectures are descriptive and are suited for an audience with a general background in physics, chemistry or metallurgy (B.Sc or M.Sc.).

ENSEIGNEMENT GENERAL

Jeudi 6 novembre
13.00 - 13.30
Amphithéâtre

Science pour Tous, par R. Carreras

Programme (pour détails, voir affiches)

1. Vu, lu et entendu.
2. Questions : Il existe un type de réacteur nucléaire qui, dit-on, produit plus de combustible qu'il n'en consomme. N'y a-t-il pas là une contradiction ? Et si c'est vrai, pourquoi ne représente-t-il pas la solution idéale du problème de l'énergie ?
3. Thème principal : "Plutonium 239 et prolifération nucléaire".

Le séminaire aura lieu le même jour, dès 17h.35, à la Salle D.